

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
Sheet	1	of	5	Application Number	10/670,162
				Filing Date	September 23, 2003
				First Named Inventor	PAVLOVSKAIA, ELENA
				Art Unit	2123
				Examiner Name	Ayal I. Sharon
				Attorney Docket Number	018563-004620US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/AS/	AA	US-5,107,444	04-21-1992	Wu	
/AS/	AB	US-5,590,248	12-1996	Zarge et al.	
/AS/	AC	US-5,882,192	03-1999	Bergerson	
/AS/	AD	US-6,015,289	01-2000	Andreiko et al.	
/AS/	AE	US-6,044,309	03-2000	Honda	
/AS/	AF	US-6,049,743	04-2000	Baba	
/AS/	AG	US-6,054,990	05-11-1999	Stewart et al.	
/AS/	AH	US-6,205,243	03-2001	Migdal et al.	
/AS/	AI	US-6,210,162	04-2001	Chishti et al.	
/AS/	AJ	US-6,212,442	04-03-2001	Andersson et al.	
/AS/	AK	US-6,217,334	04-17-2001	Hultgren	
/AS/	AL	US-6,244,861	06-12-2001	Andreiko et al.	
/AS/	AM	US-6,300,958	10-09-2001	Mallet	
/AS/	AN	US-6,315,553	11-13-2002	Sachdeva et al.	
/AS/	AO	US-6,318,994	11-2001	Chishti et al.	
/AS/	AP	US-6,350,119	02-26-2002	Jordan et al.	
/AS/	AQ	US-6,350,120	02-26-2002	Sachdeva et al.	
/AS/	AR	US-6,369,815	04-09-2002	Celniker et al.	
/AS/	AS	US-6,371,761	04-2002	Cheang et al.	
/AS/	AT	US-6,409,504	06-2002	Jones et al.	
/AS/	AU	US-6,463,344	10-08-2002	Pavlovskaia et al.	
/AS/	AV	US-6,463,351	10-2002	Clynnch	
/AS/	AW	US-6,471,512	10-2002	Sachdeva et al.	
/AS/	AX	US-6,512,994	01-28-2003	Sachdeva	
/AS/	AY	US-6,514,074	02-2003	Chishti et al.	
/AS/	AZ	US-6,540,512	04-2003	Sachdeva et al.	
/AS/	BA	US-6,602,070	08-2003	Miller et al.	
/AS/	BB	US-6,633,789	10-2003	Nikolskiy et al.	
/AS/	BC	US-6,665,570	12-16-2003	Pavlovskaia et al.	
/AS/	BD	US-6,688,886	02-2004	Hughes et al.	

Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

60921043 v1

Substitute for form 1449A/PTO				<i>Complete If Known</i>	
				Application Number	10/670,162
				Filing Date	September 23, 2003
				First Named Inventor	PAVLOVSKAIA, ELENA
				Art Unit	2123
				Examiner Name	Ayal I. Sharon
Sheet	2	of	5	Attorney Docket Number	018563-004620US

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ²	Number ³	Kind Code ⁴ (<i>If known</i>)			
/AS/	BE	PCT	WO 98/32394		07-1998	Hultgren	<input type="checkbox"/> <input type="checkbox"/>

Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

60921043 v1

Substitute for form 1449B/PTO				<i>Complete If Known</i>	
				<i>Application Number</i>	10/670,162
				<i>Filing Date</i>	September 23, 2003
				<i>First Named Inventor</i>	PAVLOVSKAIA, ELENA
				<i>Art Unit</i>	2123
				<i>Examiner Name</i>	Ayal I. Sharon
Sheet	3	of	5	<i>Attorney Docket Number</i>	018563-004620US

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials [†]	Cite No. [‡]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
/AS/	BF	"Simulating Stress on Jaws: Ansys Inc's Finite Element Analysis Software," <i>Tooling & Production</i> , (November 1996).			<input type="checkbox"/>
/AS/	BG	BOHM et al., "A Survey of Curve and Surface Methods in CAGD," <i>Computer Aided Geometric Design</i> 1, pp. 1-60 (1984).			<input type="checkbox"/>
/AS/	BH	BOURKE, "Coordinate System Transformation," (June 1996) retrieved from the Internet << http://astronomy.swin.edu.au/~pbourke/projection/coords >>.			<input type="checkbox"/>
/AS/	BI	CARNAGHAN, "An Alternative to Holograms for the Portrayal of Human Teeth" 4th Int'l. Conf. on Holographic Systems, Components and Applications, pp.228-231, Sept. 15, 1993.			<input type="checkbox"/>
/AS/	BJ	Cyberware M15 3D Scanner. © 1998-2006, retrieved from the Internet: < http://www.headus.com/au/cyberware/m15.html >.			<input type="checkbox"/>
/AS/	BK	Definition for "Gingiva," retrieved from the Internet: << http://reference.com/search/search?q=gingiva >>.			<input type="checkbox"/>
/AS/	BL	DOYLE, "Digital Dentistry," <i>Computer Graphics World</i> , pp. 50-52 and 54 (October 2000).			<input type="checkbox"/>
/AS/	BM	DOYLE, "Doctors Use CAD/CAM to Take the Pain out of Extensive Dental Procedures," <i>Computer Graphics World</i> , 5 pages total (2000).			<input type="checkbox"/>
/AS/	BN	FOLEY et al., "Fundamentals of Interactive Computer Graphics", Addison-Wesley Publishing Co., 514-533. Copyright © 1982			<input type="checkbox"/>
/AS/	BO	FÜTTERLING et al., "Automated Finite Element Modeling of a Human Mandible with Dental Implants," WSCG '98 -Conference Program, retrieved from the Internet: << http://wsdg.zcu.cz/wsdcg98/papers98/Strasser_98.pdf >>, 8 pages total.			<input type="checkbox"/>
/AS/	BP	GAO et al., "3-D element Generation for Multi-Connected Complex Dental and Mandibular Structure." <i>Proc. Int'l. Workshop on Medical Imaging and Augmented Reality.</i> , pp.267-271, June 12, 2001.			<input type="checkbox"/>
/AS/	BQ	HOJJATIE et al., "Three-Dimensional Finite Element Analysis of Glass-Ceramic Dental Crowns," <i>J. Biomech.</i> , 23(11):1157-1168 (1990).			<input type="checkbox"/>
Examiner Signature	/Ayal Sharon/			Date Considered	03/20/2007

[†]EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[‡]Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete if Known	
				Application Number	10/670,162
				Filing Date	September 23, 2003
				First Named Inventor	PAVLOVSKAIA, ELENA
				Art Unit	2123
				Examiner Name	Ayal I. Sharon
Sheet	4	of	5	Attorney Docket Number	018563-004620US

NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
/AS/	BR	MA, C.C. and CHEN, M.J., "Vertex-Based Shape Coding in Polar Coordinates for MPEG-4," Taiwan Area Network Conference, November 9-11, 1998, retrieved from the Internet: < http://tanet98.ndu.tw/TANET98/HOMEPAGE/paper/2b_1/2b_1.htm >.			<input type="checkbox"/>
/AS/	BS	MA, C.C. et al., "Efficient Shape Coding Algorithm for Object-Oriented Video in MPEG-4," Int'l. Conf. on Consumer Electronics (ICCE '99), June 22-24, 1999, pp. 174-175.			<input type="checkbox"/>
/AS/	BT	PAUL et al., "Digital Documentation of Individual Human Jaw and Tooth Forms for Applications in Orthodontics, Oral Surgery and Forensic Medicine" Proc. Of the 24th Annual Conf. of the IEEE Industrial Electronics Society (IECON '98), Sept. 4, 1998, pp. 2415-2418.			<input type="checkbox"/>
/AS/	BU	Raintree Essix, < http://www.essix.com/magazine/defaults.html > downloaded from internet 08/13/97 Essix™ Appliances, 7 pages total.			<input type="checkbox"/>
/AS/	BV	REDMOND et al., "Clinical Implications of Digital Orthodontics" Am. J. Orthodont. Dentofacial Orthopedics, 117(2):240-242 (2000).			<input type="checkbox"/>
/AS/	BW	REKOW et al., "CAD/CAM for Dental Restorations - Some of the Curious Challenges," IEEE Transactions on Biomedical Engineering, 38(4):344-345 (April 1991).			<input type="checkbox"/>
/AS/	BX	REKOW et al., "Comparison of Three Data Acquisition Techniques for 3-D Tooth Surface Mapping," Annual International Conference of the IEEE Engineering in Medicine and Biology Society, (1991) Vol. 13, No. 1, pp. 344-345.			<input type="checkbox"/>
/AS/	BY	ROGERS, D. and ADAMS, A., <i>Mathematical Elements for Computer Graphics</i> , MacGraw Hill Publishing Co., 2d Ed. (pp. 426-450). <i>Copyright © 1990</i>			<input type="checkbox"/>
/AS/	BZ	STAWSER, D. and CELLINI, J., "Training Manual of Ball State University Cyberware Model 15, 3-D Laser Scanner," December 18, 1999 retrieved from the Internet: < http://www.bsu.edu/classes/flowers2/training/m15/m15man.html >.			<input type="checkbox"/>
/AS/	CA	VERSTREKEN et al., "An Image-Guided Planning System for Endosseous Oral Implants," IEEE Transactions on Medical Imaging, 17(5):842-852 (October 1998).			<input type="checkbox"/>
/AS/	CB	WATT et al., "Advanced Animation and Rendering Techniques Theory and Practice", Addison-Wesley Publishing Co., 101-110.			<input type="checkbox"/>
/AS/	CC	XIA et al., "Three-Dimensional Virtual-Reality Surgical Planning and Soft-Tissue Prediction for Orthognathic Surgery," IEEE Transactions on Information Technology in Biomedicine, 5(2):97-107 (June 2001).			<input type="checkbox"/>
Examiner Signature	/Ayal Sharon/			Date Considered	03/20/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				<i>Complete if Known</i>	
				<i>Application Number</i>	10/670,162
				<i>Filing Date</i>	September 23, 2003
				<i>First Named Inventor</i>	PAVLOVSKAIA, ELENA
				<i>Art Unit</i>	2123
				<i>Examiner Name</i>	Ayal I. Sharon
Sheet	5	of	5	<i>Attorney Docket Number</i>	018563-004620US

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue-number(s), publisher, city and/or country where published.			T ²
/AS/	CD	YAMANI, S.M. et al., "A System for Human Jaw Modeling Using Intra-Oral Images," Proc. of the 20th Annual Conf. of the IEE Eng'g. in Medicine and Biology Society," Vol. 2, pp. 563-566 (November 1, 1998).			<input type="checkbox"/>

Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
--------------------	---------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449A/PTO				<i>Complete If Known</i>	
				Application Number	10/670,162
				Filing Date	September 23, 2003
				First Named Inventor	PAVLOVSKAIA, ELENA
				Art Unit	2125
				Examiner Name	Elliot L. Frank
Sheet	1	of	10	Attorney Docket Number	018563-004620US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
/AS/	AA	2,467,432	04-19-1949	Kesling	
/AS/	AB	3,660,900	05-09-1972	Andrews	
/AS/	AC	3,860,803	01-14-1975	Levine	
/AS/	AD	3,916,526	11-04-1975	Schudy	
/AS/	AE	3,950,851	04-20-1976	Bergersen	
/AS/	AF	4,014,096	03-29-1977	Dellinger	
/AS/	AG	4,195,046	03-25-1980	Kesling	
/AS/	AH	4,324,546	04-13-1982	Heitlinger et al.	
/AS/	AI	4,348,178	09-07-1982	Kurz	
/AS/	AJ	4,478,580	10-23-1984	Barrut	
/AS/	AK	4,504,225	03-12-1985	Yoshii	
/AS/	AL	4,505,673	03-19-1985	Yoshii	
/AS/	AM	4,575,805	03-11-1986	Moermann, et al.	
/AS/	AN	4,611,288	09-09-1986	Duret et al.	
/AS/	AO	4,656,860	04-14-1987	Orthuber et al.	
/AS/	AP	4,663,720	05-05-1987	Duret et al.	
/AS/	AQ	4,742,464	05-03-1988	Duret et al.	
/AS/	AR	4,755,139	07-05-1988	Abbatte et al.	
/AS/	AS	4,763,791	08-16-1988	Halverson et al.	
/AS/	AT	4,793,803	12-27-1988	Martz	
/AS/	AU	4,798,534	01-17-1989	Breads	
/AS/	AV	4,837,732	06-06-1989	Brandestini et al.	
/AS/	AW	4,850,864	07-25-1989	Diamond	
/AS/	AX	4,856,991	08-15-1989	Breads et al.	
/AS/	AY	4,936,862	06-26-1990	Walker et al.	
/AS/	AZ	4,937,928	07-03-1990	van der Zel	
/AS/	BA	4,964,770	10-23-1990	Steinbichler et al.	
/AS/	BB	4,975,052	12-04-1990	Spencer et al.	
/AS/	BC	5,011,405	04-30-1991	Lemchen	
/AS/	BD	5,017,133	05-21-1991	Miura	
/AS/	BE	5,027,281	06-25-1991	Rekow et al.	
/AS/	BF	5,035,613	07-30-1991	Breads et al.	
/AS/	BG	5,055,039	10-08-1991	Abbatte et al.	
/AS/	BH	5,059,118	10-22-1991	Breads et al.	
/AS/	BI	5,100,316	03-31-1992	Wildman	
/AS/	BJ	5,121,333	06-09-1992	Riley et al.	
/AS/	BK	5,128,870	07-07-1992	Erdman et al.	
/AS/	BL	5,131,843	07-21-1992	Hilgers et al.	
/AS/	BM	5,131,844	07-21-1992	Marinaccio et al.	
/AS/	BN	5,139,419	08-18-1992	Andreiko et al.	
/AS/	BO	5,184,306	02-02-1993	Erdman et al.	

Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁵ Applicant is to place a check mark here if English language Translation is attached.

60301643 v1

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
Sheet 2		of 10		Application Number	10/670,162
				Filing Date	September 23, 2003
				First Named Inventor	PAVLOVSKAIA, ELENA
				Art Unit	2125
				Examiner Name	Elliot L. Frank
				Attorney Docket Number	018563-004620US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
/AS/	BP	5,186,623		02-16-1993	Breads et al.
/AS/	BQ	5,257,203		10-26-1993	Riley et al.
/AS/	BR	5,273,429		12-28-1993	Rekow et al.
/AS/	BS	5,278,756		01-11-1994	Lemchen et al.
/AS/	BT	5,338,198		08-16-1994	Wu et al.
/AS/	BU	5,340,309		08-23-1994	Robertson
/AS/	BV	5,342,202		08-23-1994	Deshayes
/AS/	BW	5,368,478		11-29-1994	Andreiko et al.
/AS/	BX	5,382,164		01-17-1995	Stern
/AS/	BY	5,395,238		03-07-1995	Andreiko et al.
/AS/	BZ	5,431,562		11-11-1995	Andreiko et al.
/AS/	CA	5,440,496		08-08-1995	Andersson et al.
/AS/	CB	5,447,432		09-05-1995	Andersson et al.
/AS/	CC	5,452,219		09-19-1995	Dehoff et al.
/AS/	CD	5,454,717		10-03-1995	Andreiko et al.
/AS/	CE	5,456,600		10-10-1995	Andreiko et al.
/AS/	CF	5,474,448		12-12-1995	Andreiko et al.
/AS/	CG	5,518,397		05-21-1996	Andreiko et al.
/AS/	CH	5,533,895		07-09-1996	Andreiko et al.
/AS/	CI	5,542,842		08-06-1996	Andreiko et al.
/AS/	CJ	5,549,476		08-27-1996	Stern
/AS/	CK	5,587,912		12-24-1996	Andersson et al.
/AS/	CL	5,605,459		02-25-1997	Kuroda et al.
/AS/	CM	5,607,305		03-04-1997	Andersson et al.
/AS/	CN	5,645,421		07-08-1997	Slootsky
/AS/	CO	5,655,653		08-12-1997	Chester
/AS/	CP	5,683,243		11-04-1997	Andreiko et al.
/AS/	CQ	5,733,126		03-31-1998	Andersson et al.
/AS/	CR	5,740,267		04-14-1998	Echerer et al.
/AS/	CS	5,975,893		11-02-1999	Chishti et al.

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		
		Country Code ³	Number ⁴				
/AS/	CT	EP	091,876	A1	10-19-1983	Duret	
/AS/	CU	EP	299,490	A2	01-18-1989	Steinbichler et al.	
/AS/	CV	EP	376,873	A2	07-04-1990	Shafir	
/AS/	CW	EP	490,848	B1	06-17-1992	Andersson et al.	
/AS/	CX	EP	541,500	A1	06-12-1998	Andersson et al.	
Examiner Signature		/Ayal Sharon/		Date Considered	03/20/2007		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				<i>Complete if Known</i>			
				Application Number		10/670,162	
				Filing Date		September 23, 2003	
				First Named Inventor		PAVLOVSKAIA, ELENA	
				Art Unit		2125	
				Examiner Name		Elliot L. Frank	
Sheet	3	of	10	Attorney Docket Number		018563-004620US	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
/AS/	CY	EP	731,673	B1	09-18-1998	Andersson et al.	<input type="checkbox"/>
/AS/	CZ	EP	774,933	B1	05-28-1997	Oden et al.	<input type="checkbox"/>
/AS/	DA	FR	2,652,256	A1	03-29-1991	Jourda	<input type="checkbox"/>
/AS/	DB	FR	2,369,828	A1	06-02-1978	Suyehiro	<input type="checkbox"/>
/AS/	DC	WO	90/08,512	A1	08-09-1990	Lemcuren	<input type="checkbox"/>
/AS/	DD	WO	91/04,713	A1	04-18-1991	Jourda et al.	<input type="checkbox"/>
/AS/	DE	WO	94/10,935	A1	05-26-1994	Andreiko et al.	<input type="checkbox"/>
/AS/	DF	WO	98/44,865	A1	10-15-1998	Andersson	<input type="checkbox"/>
/AS/	DG	WO	98/58,596	A1	12-30-1998	Chishti et al.	<input type="checkbox"/>

Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

60301643 v1

Substitute for form 1449B/PTO			Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			<i>Application Number</i>	10/670,162
			<i>Filing Date</i>	September 23, 2003
			<i>First Named Inventor</i>	PAVLOVSKAIA, ELENA
			<i>Art Unit</i>	2125
			<i>Examiner Name</i>	Elliot L. Frank
Sheet	4	of	10	<i>Attorney Docket Number</i>
NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/AS/	DH	ALEXANDER et al., "The DigiGraph Work Station Part 2, Clinical Management," JCO (July 1990), pp. 402-407.		
/AS/	DI	ALTSCHULER et al., "Laser Electro-Optic System for Rapid Three-Dimensional (3D) Topographic Mapping of Surfaces," Optical Engineering, Vol. 20(6) (1981), pp. 953-961.		
/AS/	DJ	ALTSCHULER et al., "Measuring Surfaces Space-Coded by a Laser-Projected Dot Matrix," SPIE Imaging Applications for Automated Industrial Inspection and Assembly, vol. 182 (1979), p. 187-191.		
/AS/	DK	ALTSCHULER et al., "Analysis of 3-D Data for Comparative 3-D Serial Growth Pattern Studies of Oral-Facial Structures," Program and Abstracts of Papers, Feb. 1975, Journal of Dental Research, Vol. 54, IADR Abstracts 1979, 2 pages total.		
/AS/	DL	ALTSCHULER, "3D Mapping of Maxillo-Facial Prostheses," AADR Abstract #607, 1980, 2 pages total..		
/AS/	DM	American Association for Dental Research, Summary of Activities, March 20-23, 1980, Los Angeles, CA, p. 195.		
/AS/	DN	ANDERSSON et al., "Clinical Results with Titanium Crowns Fabricated with Machine Duplication and Spark Erosion," Acta Odontologica Scandinavia, vol. 47 (1989), pp. 279-286.		
/AS/	DO	BAUMRIND et al., "A stereophotogrammetric system for the detection of prosthesis loosening in total hip arthroplasty, Applications of Human Biostereometrics (NATO)," Proceedings of the Society of Photo-Optical Instrumentation Engineers, Vol. 166, July 9-13, 1978, pp. 112-123.		
/AS/	DP	BAUMRIND et al., "Mapping the Skull in 3-D, Reprinted from The Journal, California Dental Association, Vol. 48, No. 2 (1972 Fall Issue) 11 pages total.		
/AS/	DQ	BAUMRIND et al., "Seminars in Orthodontics," Seminars in Orthodontics, Vol. 7, No. 4 (Dec. 2001), p. 222.		
/AS/	DR	BAUMRIND, "A System for Craniofacial Mapping Through the Integration of Data from Stereo X-Ray Films and Stereo Photographs," An invited paper submitted to the 1975 American Society of Photogram. Symposium on Close-Range Photogram. Systems, University of Ill., Aug. 26-30, 1975, pp. 1-25.		
/AS/	DS	BAUMRIND, "Integrated Three-Dimensional Craniofacial Mapping: Background, Principles, and Perspectives," Seminars in Orthodontics, Vol. 7, No. 4 (Dec. 2001), pp. 223-232.		
/AS/	DT	BEGOLE et al., "A Computer System for the Analysis of Dental Casts," The Angle Orthodontist, Vol. 51 No. 3 (July 1981), pp. 253-259.		
/AS/	DU	BERNARD et al., "Computerized diagnosis in Orthodontics for Epidemiological Studies" (progress report), Abstracts of Papers, Journal of Dental Research; Vol. 71, Special Issue March 1-14, 1992, pp. 28-36.		
/AS/	DV	BHATIA et al., "A Computer-Aided Design for Orthognathic Surgery," British Journal of Oral and Maxillofacial Surgery, Vol. 22 (1984), pp. 237-253.		
/AS/	DW	BIGGERSTAFF et al., "Computerized analysis of occlusion in the postcanine dentition," American Journal of Orthodontics, Vol. 61, No. 3 (Mar. 1972), pp. 245-254.		
Examiner Signature	/Ayal Sharon/		Date Considered	03/20/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Application Number</i>	10/670,162
				<i>Filing Date</i>	September 23, 2003
				<i>First Named Inventor</i>	PAVLOVSKAIA, ELENA
				<i>Art Unit</i>	2125
				<i>Examiner Name</i>	Elliot L. Frank
Sheet	5	of	10	<i>Attorney Docket Number</i>	018563-004620US

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
/AS/	DX	BIGGERSTAFF, "Computerized Diagnostic Setups and Simulations," <i>The Angle Orthodontist</i> , Vol. 40, No. 1 (Jan. 1970), pp. 28-36.			
/AS/	DY	BRANDESTINI et al., "Computer Machined Ceramic Inlays: In Vitro Marginal Adaptation," <i>Journal of Dental Research</i> , Vol. 64/Special Issue/Abstracts, IADR/AADR Abstracts 1985, 1 page total.			
/AS/	DZ	BROOK et al., "An Image Analysis System for the Determination of Tooth Dimensions from Study Casts: Comparison with Manual Measurements of Mesio-distal Diameter, Abstract of Papers, 1985, Dept. of Children's Dentistry and Orthodontics, J Dent Res., March 1986, pp. 428-431.			
/AS/	EA	BURSTONE (interview), "Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Parts 1 and 2)," <i>Journal of Clinical Orthodontics</i> , (Part 1) Vol. 8, No. 7 , July 1979; (Part 2) Vol. 8, No. 8 pp. 539-551, Aug. 1979.			
/AS/	EB	BURSTONE et al., "Precision adjustment of the transpalatal lingual arch: Computer arch form predetermination," <i>Am. Journal of Orthodontics</i> , Vol. 79, No. 2 (Feb. 1981), pp. 115-133.			
/AS/	EC	CHACONAS et al., "The DigiGraph Work Station, Part 1, Basic Concepts," <i>JCO</i> (June 1990), pp. 360-367.			
/AS/	ED	CHAFETZ et al., "Subsidence of the Femoral Prosthesis, A Stereophotogrammetric Evaluation," <i>Clinical Orthopaedics and Related Research</i> , No. 201 (December 1985), pp. 60-67.			
/AS/	EE	CHIAPPONE, "Constructing the gnathologic setup and positioner" <i>J. Clin. Orthod.</i> , 14:121-133, 1980.			
/AS/	EF	COTTINGHAM, "Gnathologic clear plastic positioner" <i>Am. J. Orthod.</i> , 55:23-31, 1969.			
/AS/	EG	CRAWFORD, "Computers in Dentistry: Part 1: CAD/CAM: The Computer Moves Chairside," "Part 2: F. Duret — A Man With A Vision," "Part 3: The Computer Gives New Vision- Literally," "Part 4: Bytes 'N Bites" The Computer Moves From The Front Desk To The Operatory, <i>Canadian Dental Journal</i> , vol. 54(9), (1988), pp. 661-666.			
/AS/	EH	CRAWFORD, "CAD/CAM in the Dental Office: Does It Work?" <i>Canadian Dental Journal</i> , Vol. 57, No. 2 (Feb. 1991), pp. 121-123.			
/AS/	EI	CROOKS, "CAD/CAM Comes to USC," <i>USC Dentistry</i> , (Spring 1990) pp. 14-17.			
/AS/	EJ	CURETON, "Correcting malaligned mandibular incisors with removable retainers" <i>J. Clin. Orthod.</i> , 30:390-395, 1996.			
/AS/	EK	CURRY et al., "Integrated Three-Dimensional Craniofacial Mapping at the Craniofacial Research Instrumentation Laboratory/University of the Pacific," <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), pp. 258-265.			
/AS/	EL	CUTTING et al., "Three-Dimensional Computer-Assisted Design of Craniofacial Surgical Procedures: Optimization and Interaction with Cephalometric and CT-Based Models," <i>Plastic and Reconstructive Surgery</i> , Vol. 77, No. 6 (June 1986), pp. 877-885.			
/AS/	EM	DCS Dental AG, "The CAD/CAM 'DCS Titan System' for Production of Crowns/Bridges" <i>DCS Production AG</i> , Jan. 1992, pp. 1-7.			

Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/670,162
				Filing Date	September 23, 2003
				First Named Inventor	PAVLOVSKAIA, ELENA
				Art Unit	2125
				Examiner Name	Elliot L. Frank
Sheet	6	of	10	Attorney Docket Number	018563-004620US

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
/AS/	EN	DEFRANCO et al., "Three-Dimensional Large Displacement Analysis of Orthodontic Appliances," <i>J. Biomechanics</i> , Vol. 9 (1976), pp. 793-801.			
/AS/	EO	Dental Institute University of Zurich Switzerland, Program for International Symposium on Computer Restorations: State of the Art of the CEREC-Method, May 1991, 3 pages total.			
/AS/	EP	DenTrac Corporation, Dentrac document, pp. 4-13. <i>In dated</i>			
/AS/	EQ	DURET et al., "CAD-CAM in Dentistry," <i>Journal of the American Dental Association</i> , Vol. 117 (Nov. 1988), pp. 715-720.			
/AS/	ER	DURET et al., "CAD/CAM imaging in dentistry," <i>Current Opinion in Dentistry</i> , Vol. 1 (1991), pp. 150-154.			
/AS/	ES	DURET, "The Dental CAD/CAM, General Description of the Project," <i>Hennson International Product Brochure</i> , Jan. 1986., 18 pages total.			
/AS/	ET	DURET, "Vers une prothese informatisee," (English translation also attached), <i>Tonus</i> , vol. 75, (Nov. 15, 1985), pp. 55-57.			
/AS/	EU	ECONOMIDES, "The Microcomputer in the Orthodontic Office," <i>JCO</i> , (Nov. 1979), pp. 767-772.			
/AS/	EV	ELSASSER, "Some observations on the history and uses of the Kesling positioner" <i>Am. J. Orthod.</i> , 36:368-374, 1950.			
/AS/	EW	FABER et al., "Computerized interactive orthodontic treatment planning," <i>Am. J. Orthod.</i> , Vol. 73, No. 1 (Jan. 1978), pp. 36-46.			
/AS/	EX	FELTON et al. "A computerized analysis of the shape and stability of mandibular arch form," <i>Am. Journal of Orthodontics and Dentofacial Orthopedics</i> , Vol. 92, No. 6 (Dec. 1987), pp. 478-483.			
/AS/	EY	FRIEDE et al., "Accuracy of Cephalometric Prediction in Orthognathic Surgery," Abstract of Papers, <i>Journal of Dental Research</i> , Vol. 70 (1987), pp. 754-760.			
/AS/	EZ	GIM-ALLDENT Deutschland, "Das DUX System: Die Technik" 4 pages total. <i>In dated</i>			
/AS/	FA	GRAYSON, "New Methods for Three Dimensional Analysis of Craniofacial Deformity," Symposium: Computerized Facial Imaging In Oral and Maxillofacial Surgery, AAOMS Sept. 13, 1990, 3 pages total.			
/AS/	FB	GUESS et al., "Computer Treatment Estimates in Orthodontics and Orthognathic Surgery," <i>JCO</i> , (April, 1989), pp. 262-28.			
/AS/	FC	HEAVEN et al., "Computer-based Image Analysis of Artificial Root Surface Caries," "Automated Identification of Landmarks in Cephalometric Radiographs," Abstracts of Papers, <i>Journal of Dental Research</i> , Vol. 67, March 9-13, 1988, 2 pages total.			

Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Application Number</i>	10/670,162
				<i>Filing Date</i>	September 23, 2003
				<i>First Named Inventor</i>	PAVLOVSKAIA, ELENA
				<i>Art Unit</i>	2125
				<i>Examiner Name</i>	Elliot L. Frank
Sheet 7 of 10		<i>Attorney Docket Number</i> 018563-004620US			

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
/AS/	FD	HOFFMANN et al., "Role of Cephalometry for Planning of Jaw Orthopedics and Jaw Surgery Procedures," (Article Summary in English, article in German), <i>Informationen</i> , (March 1991), pp. 375-396.			
/AS/	FE	HUCKINS, "CAD-CAM Generated Mandibular Model Prototype from MRI Data," <i>AAOMS</i> 1999, p. 96.			
/AS/	FF	Inside the ADA, <i>Journal Of The American Dental Assoc.</i> , Vol. 118 (March 1989) 9 pages total.			
/AS/	FG	JCO Interviews, "Craig Andreiko , DDS, MS on the Elan and Orthos Systems", JCO, (Aug. 1994), pp. 459-468.			
/AS/	FH	JCO Interviews, "Dr. Homer W. Phillips on Computers in Orthodontic Practice, Part 2," JCO, (Dec. 1983), pp. 819-831.			
/AS/	FI	JERROLD, "The problem, electronic data transmission and the law," <i>AJO-DO</i> , (Apr. 1988), pp. 478-479.			
/AS/	FJ	JONES et al., "An Assessment of the Fit of a Parabolic Curve to Pre- and Post-Treatment Dental Arches," <i>British Journal of Orthodontics</i> , Vol. 16 (1989), pp. 85-93.			
/AS/	FK	KAMADA et al., "Case reports on tooth positioners using LTV vinyl silicone rubber" <i>J. Nihon University School of Dentistry</i> , 26(1):11-29, 1984.			
/AS/	FL	KAMADA et al., "Construction of tooth positioners with LTV vinyl silicone rubber and some case reports" <i>J. Nihon University School of Dentistry</i> , 24(1):1-27, 1982.			
/AS/	FM	KANAZAWA et al., "Three-Dimensional Measurements of the Occlusal Surfaces of Upper Molars in a Dutch Population," <i>J. Dent Res.</i> , Vol. 63, No. 11 (Nov. 1984), pp. 1298-1301.			
/AS/	FN	KESLING, "Coordinating the predetermined pattern and tooth positioner with conventional treatment" <i>Am. J. Orthod. Oral. Surg.</i> , 32:285-293, 1946.			
/AS/	FO	KESLING, "The philosophy of the tooth positioning appliance" <i>Am. J. Orthod. Oral. Surg.</i> , 31(6):297-304, 1945.			
/AS/	FP	KLEEMANN et al., "The speed positioner" <i>J. Clin. Orthod.</i> , 30:673-680, 1996.			
/AS/	FQ	KURODA et al., "Three-dimensional dental cast analyzing system using laser scanning" <i>Am. J. Orthod. Dentofac. Orthop.</i> , 110:365-369, 1996.			
/AS/	FR	LAURENDEAU et al., "A Computer-Vision Technique for the Acquisition and Processing of 3-D Profiles of Dental Imprints: An Application in Orthodontics," <i>IEEE Transactions on Medical Imaging</i> , Vol. 10, No. 3 (Sept. 1991), pp. 453-461.			
/AS/	FS	LEINFELDER et al., "A new method for generating ceramic restorations: a CAD-CAM system," <i>Journal Of The American Dental Assoc.</i> , Vol. 118, No. 6 (Jun. 1989), pp. 703-707.			

Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
--------------------	---------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete if Known	
				<i>Application Number</i>	10/670,162
				<i>Filing Date</i>	September 23, 2003
				<i>First Named Inventor</i>	PAVLOVSKAIA, ELENA
				<i>Art Unit</i>	2125
				<i>Examiner Name</i>	Elliot L. Frank
Sheet	8	of	10	<i>Attorney Docket Number</i>	018563-004620US

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
/AS/	FT	MCNAMARA et al., <i>Orthodontic and Orthopedic Treatment in the Mixed Dentition</i> , Needham Press, January 1993. pp.347-353.			
/AS/	FU	MCNAMARA et al., "Invisible Retainers", <i>J. Clinical Orthodontics</i> , (August 1985) pp. 570-578.			
/AS/	FV	MOERMANN et al., "Computer Machined Adhesive Porcelain Inlays: Margin Adaptation after Fatigue Stress," IADR Abstract 339, <i>Journal of Dental Research</i> , vol. 66(a) (1987), p. 339.			
/AS/	FW	MÖRMANN et al., "Marginal Adaptation von adhasiven Porzellainlays in vitro," <i>Schwizerische Monatsschrift für Zahnmedizin</i> , Vol. 85 (1985), p. 1118-1129.			
/AS/	FX	MÖRMANN et al., "Marginale Adaptation von adhäsuven Porzellaninlays in vitro," Separatdruck aus: Schweiz. Mschr. Zahnmed. 95: 1118, 1985.			
/AS/	FY	NAHOUM, "The vacuum formed dental contour appliance" <i>The New York State Dental Journal</i> , 30(9):385-390, Nov. 1964.			
/AS/	FZ	NASH, "CEREC CAD/CAM Inlays: Aesthetics and Durability in a Single Appointment," <i>Dentistry Today</i> , (October 1990), pp. 20, 22-23, 54.			
/AS/	GA	NISHIYAMA et al., "A new construction of tooth repositioner by LTV vinyl silicone rubber" J. Nihon University School of Dentistry, 19(2):93-102, 1977.			
/AS/	GB	PINKHAM, "Foolish' Concept Propels Technology," <i>Dentist</i> , Jan/Feb. 1989, 3 pages total.			
/AS/	GC	PINKHAM, "Inventor's CAD/CAM may transform dentistry," <i>Dentist</i> , Sept. 1990, 3 pages total.			
/AS/	GD	PONITZ, Invisible Retainers, 59 <i>Am. J. Orthodontics</i> , March 1971, pp. 266-272.			
/AS/	GE	Procera Research Projects, <i>PROCERA Research Projects 1993 — Abstract Collection</i> , 1993, pp. 3-28.			
/AS/	GF	REKOW, "A Review of the Developments in Dental CAD/CAM Systems,"(contains references to Japanese efforts and content of the papers of particular interest to the clinician are indicated with a one-line summary of their content in the bibliography), <i>Dental Clinics: Prosthodontics and Endodontics</i> , pp.25-33, 1992.			
/AS/	GG	REKOW, "CAD/CAM in Dentistry: A Historical Perspective and View of the Future," <i>Journal</i> , Vol. 58 No. 4,(April 1992), pp. 283, 287-288.			
/AS/	GH	REKOW, "Computer-Aided Design and Manufacturing in Dentistry: A Review of the State of the Art," <i>The Journal of Prosthetic Dentistry</i> , Vol. 58, No. 4 (Oct. 1987), pp. 512-516.			
/AS/	GI	REKOW, "Dental CAD-CAM Systems: What Is the State of the Art?" <i>Journal of the American Dental Assoc.</i> , Vol. 122 (1991), pp. 43-48.			

Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
--------------------	---------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Application Number</i>	10/670,162
				<i>Filing Date</i>	September 23, 2003
				<i>First Named Inventor</i>	PAVLOVSKAIA, ELENA
				<i>Art Unit</i>	2125
				<i>Examiner Name</i>	Elliot L. Frank
Sheet	9	of	10	<i>Attorney Docket Number</i>	018563-004620US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/AS/	GJ	REKOW, "Feasibility of an Automated System for Production of "Dental Restorations," PhD Thesis, Univ. of Minnesota, Nov. 1988, 244 pages total.		T ²
/AS/	GK	RICHMOND et al., Research Reports, "The development of a 3D Cast Analysis System," <i>British Journal of Orthodontics</i> , pp. 53-54.		
/AS/	GL	RICHMOND, "Recording the dental cast in three dimensions," <i>Am. J. Orthod. Dentofac. Orthop.</i> , Vol. 92, No. 3, (Sept. 1987), pp.199-206.		
/AS/	GM	RUDGE, "Dental arch analysis: arch form, A review of the literature," <i>European Journal of Orthodontics</i> , Vol. 3, No. 4 (1981), pp.279-284.		
/AS/	GN	SAKUDA et al., "Integrated information-processing system in clinical orthodontics: An approach with use of a computer network system," <i>Am. J. Orthod. Dentofac. Orthop.</i> Vol. 101 No. 3 (March 1992), pp. 210-220.		
/AS/	GO	SCHELLHAS et al., "Three-Dimensional Computer Tomography in Maxillofacial Surgical Planning," <i>Arch Otolaryngol Head Neck Surg.</i> Vol. 114 (April 1988), pp. 438-442.		
/AS/	GP	SEGU et al., "Computer-aided Cefalometry and New Mechanics in Orthodontics" (Article Summary in English, article in German), <i>Fortschr. Kieferorthop.</i> 44, 370-376 (Nr. 5), 1983		
/AS/	GQ	SHILLIDAY, "Minimizing finishing problems with the mini-positioner" <i>Am. J. Orthod.</i> 59:596-599, 1971		
/AS/	GR	Siemens, "CEREC - Computer-Reconstruction, "High Tech in der Zahnmedizin, 14 page total.		
/AS/	GS	Sirona Dental Systems GmbH, CEREC 3D, Manuel utilisateur, Version 2.0X (in French), 2003, 114 pages total.		
/AS/	GT	STOLL et al., "Computer-aided Technologies in Dentistry" (Article Summary in English, article in German), <i>Dtsch Zahnärztl Z</i> 45, 314-322, 1990.		
/AS/	GU	U.S. Department of Commerce, National Technical Information Service, "Automated Crown Replication Using Solid Photography SM," Solid Photography Inc. Melville NY, October 1977, 21 pages total.		
/AS/	GV	U.S. Department of Commerce, National Technical Information Service, "Holodontography: An Introduction to Dental Laser Holography," School of Aerospace Medicine Brooks AFB Tex, March 1973, 37 pages total.		
/AS/	GW	U.S. Provisional Patent Application No. 60/050342, filed on June 20, 1997, 41 pages total.		
/AS/	GX	VAN DER LINDEN et al., Three-Dimensional Analysis of Dental Casts by Means of the Optocom," <i>J Dent Res</i> , July-August 1972, p. 1101.		
/AS/	GY	VAN DER LINDEN, "A New Method to Determine Tooth Positions and Dental Arch Dimensions," July-August 1972, p. 1104.		

Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Application Number</i>	10/670,162
				<i>Filing Date</i>	September 23, 2003
				<i>First Named Inventor</i>	PAVLOVSKAIA, ELENA
				<i>Art Unit</i>	2125
				<i>Examiner Name</i>	Elliot L. Frank
Sheet	10	of	10	<i>Attorney Docket Number</i>	018563-004620US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/AS/	GZ	VAN DER ZEL, "Ceramic-fused-to-metal Restorations with a New CAD/CAM System," <i>Quintessence International</i> , vol. 24(11) (1993), pp. 769-778.		T ²
/AS/	HA	VÁRADY et al., "Reverse Engineering of Geometric Models - An Introduction," May 13, 1996, pp. 1-28.		
/AS/	HB	WARUNEK et al., "Clinical use of silicone elastomer appliances" <i>JCO, MH</i> (10):694-700, 1989.		
/AS/	HC	WARUNEK et al., "Physical and mechanical properties of elastomers in orthodontic positioners" <i>Am. J. Orthod. Dentofac. Orthop.</i> , 95:388-400, 1989.		
/AS/	HD	WELLS, "Application of the positioner appliance in orthodontic treatment" <i>Am. J. Orthodont.</i> , 58:351-366, 1970.		
/AS/	HE	WILLIAMS, "Dentistry and CAD/CAM: Another French Revolution," <i>Journal of Dental Practice Admin.</i> , Jan./March 1987, pp. 2-5.		
/AS/	HF	WILLIAMS, "The Switzerland and Minnesota Developments in CAD/CAM," <i>Journal of Dental Practice Admin.</i> , pp. 50-55, April/June 1987.		
/AS/	HG	WISHAN, "New Advances in Personal Computer Applications for Cephalometric Analysis, Growth Prediction, Surgical Treatment Planning and Imaging Processing," <i>Symposium: Computerized Facial Imaging in Oral and Maxillofacial Surgery</i> , AAOMS, Sept. 13, 1990, p. 5.		
/AS/	HH	YAMAMOTO et al., "Three-Dimensional Measurement of Dental Cast Profiles and Its Applications to Orthodontics," Annual Int'l Conf. of IEEE Engineering in Medicine and Biology Society, Vol. 12, No. 5, pp. 2051-2053, 1990		
/AS/	HI	YAMAMOTO et al., "Optical measurement of dental cast profile and application to analysis of three-dimensional tooth movement in orthodontics," <i>Frontiers in Med. and Biol. Eng'g</i> , Vol. 1, No. 2 (1988), pp. 119-130.		

Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.